

# Rebuilding Communities through an Urban Wood and Land Restoration Economy

Environmental Show of the South  
May 17<sup>th</sup> , 2018





**Baltimore Office  
of Sustainability**  
People • Planet • Prosperity



**HUMANIM**



**Room&Board**



# Forest Service History of Conservation & Restoration

## 1911





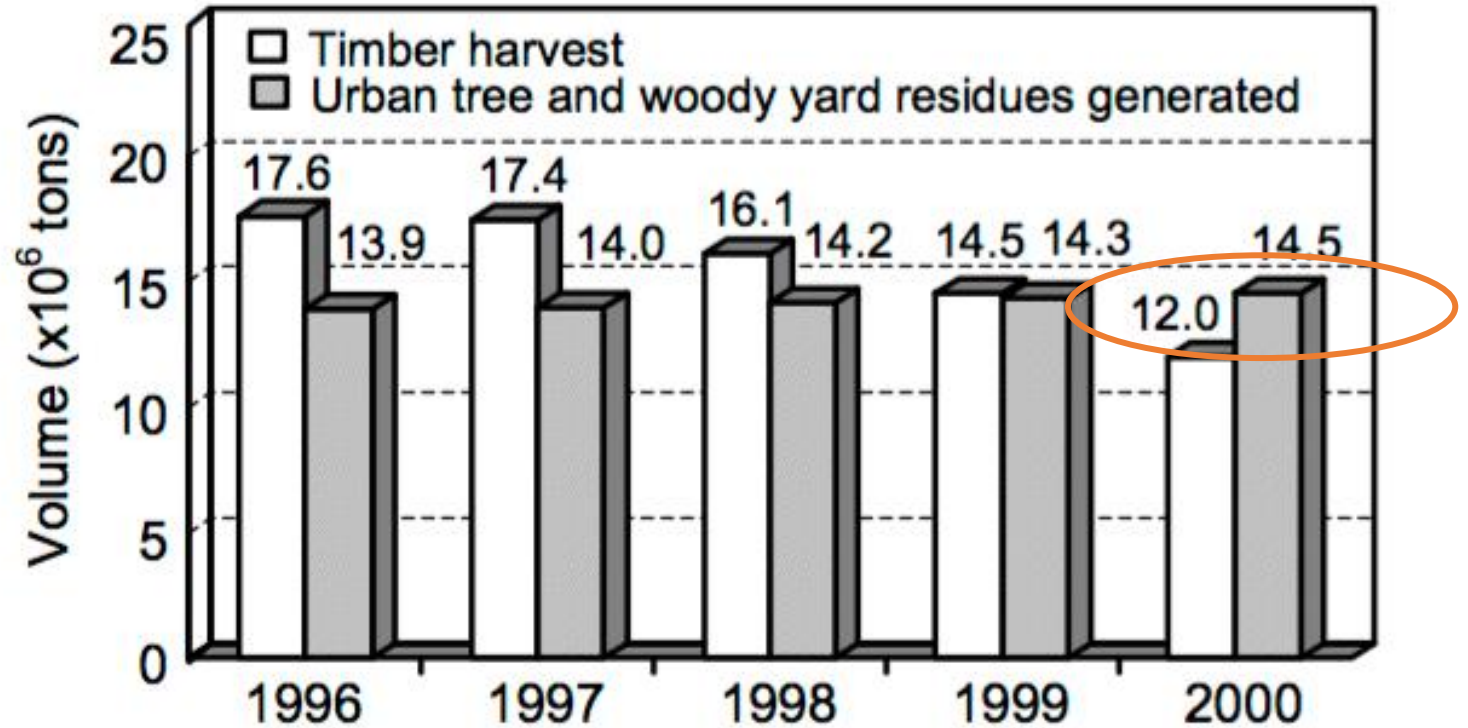
# Forest Service History of Conservation & Restoration



1911

2018

# PROBLEMS The Abundance of Urban Wood



Timber harvested from National Forests compared with urban tree and woody yard residues generated, 1996-2000.



# PROBLEMS Vacant Lots and Vacant Homes



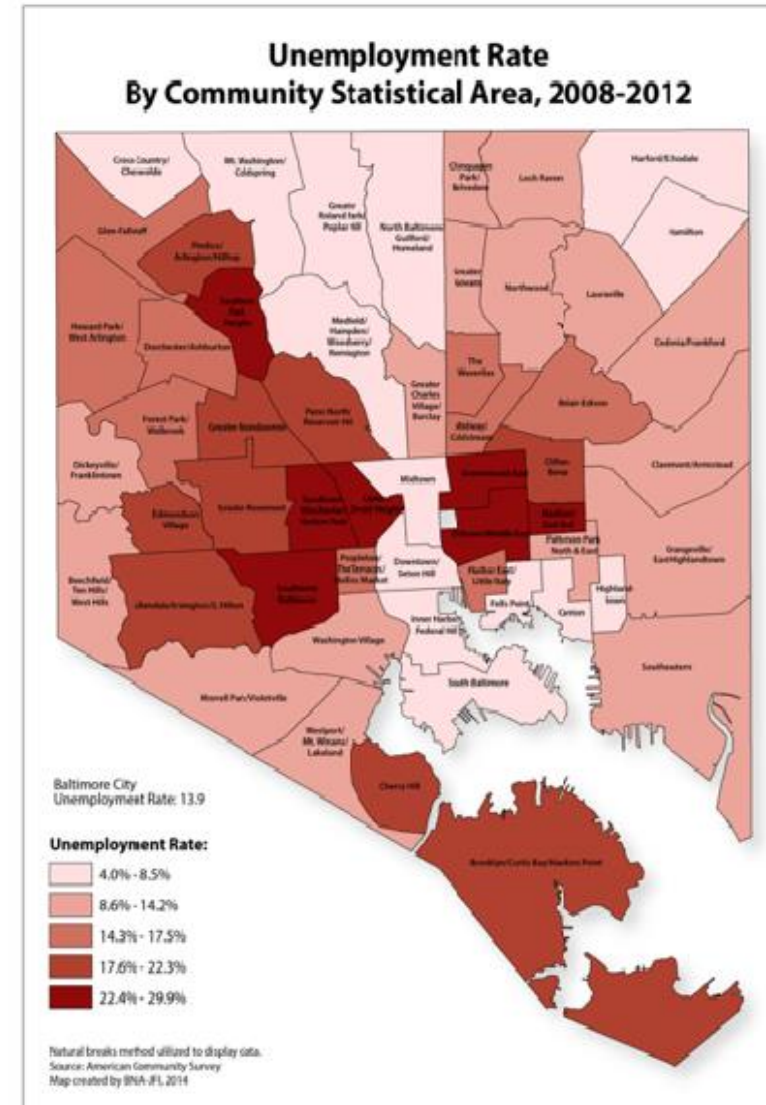
~17,000 Vacant Homes



~14,000 Vacant Lots

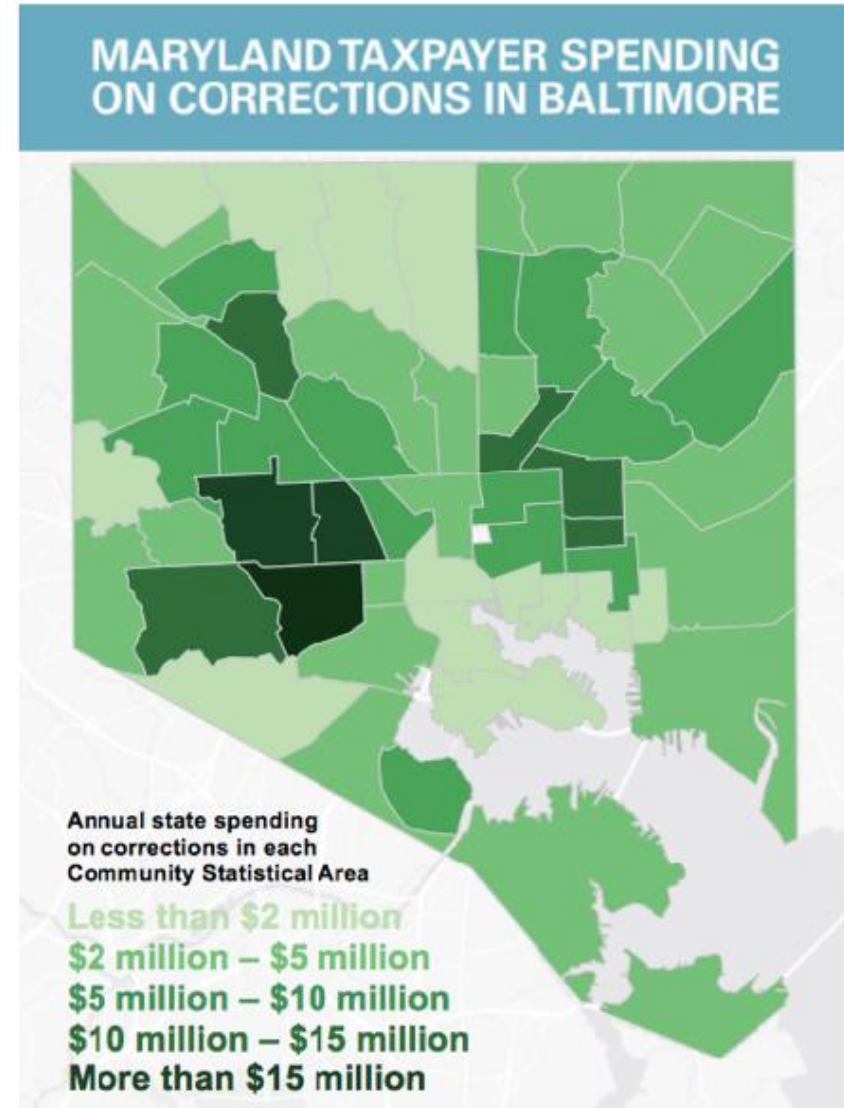
# PROBLEMS

## Unemployment and Poverty



# PROBLEMS

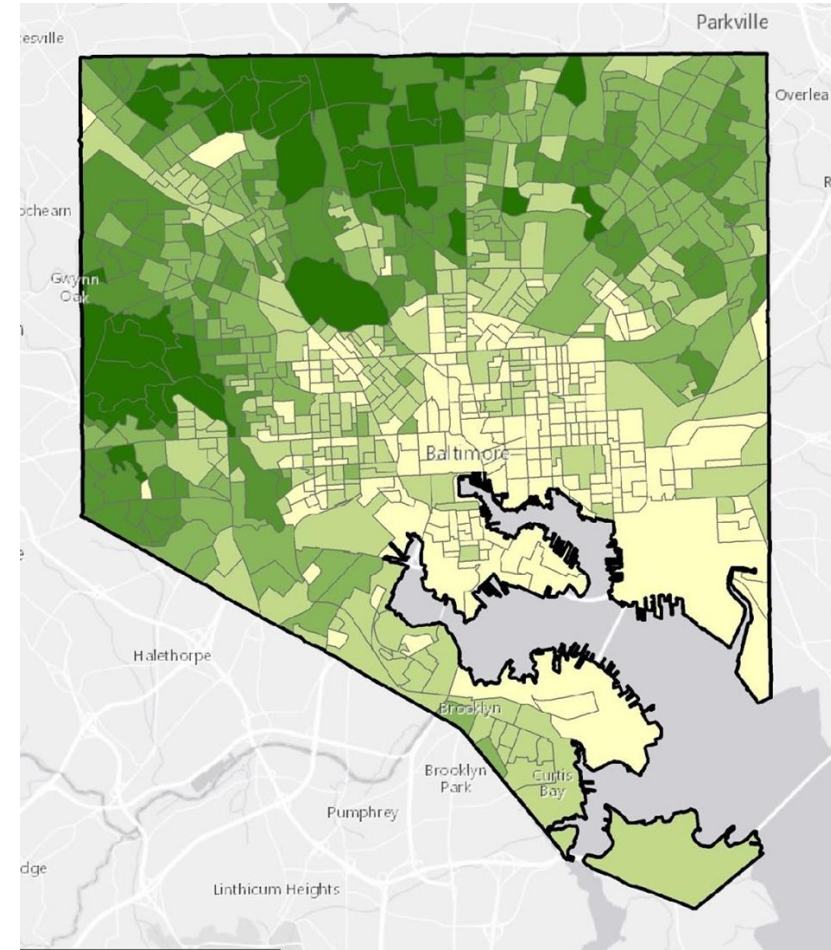
## Incarceration





# PROBLEMS

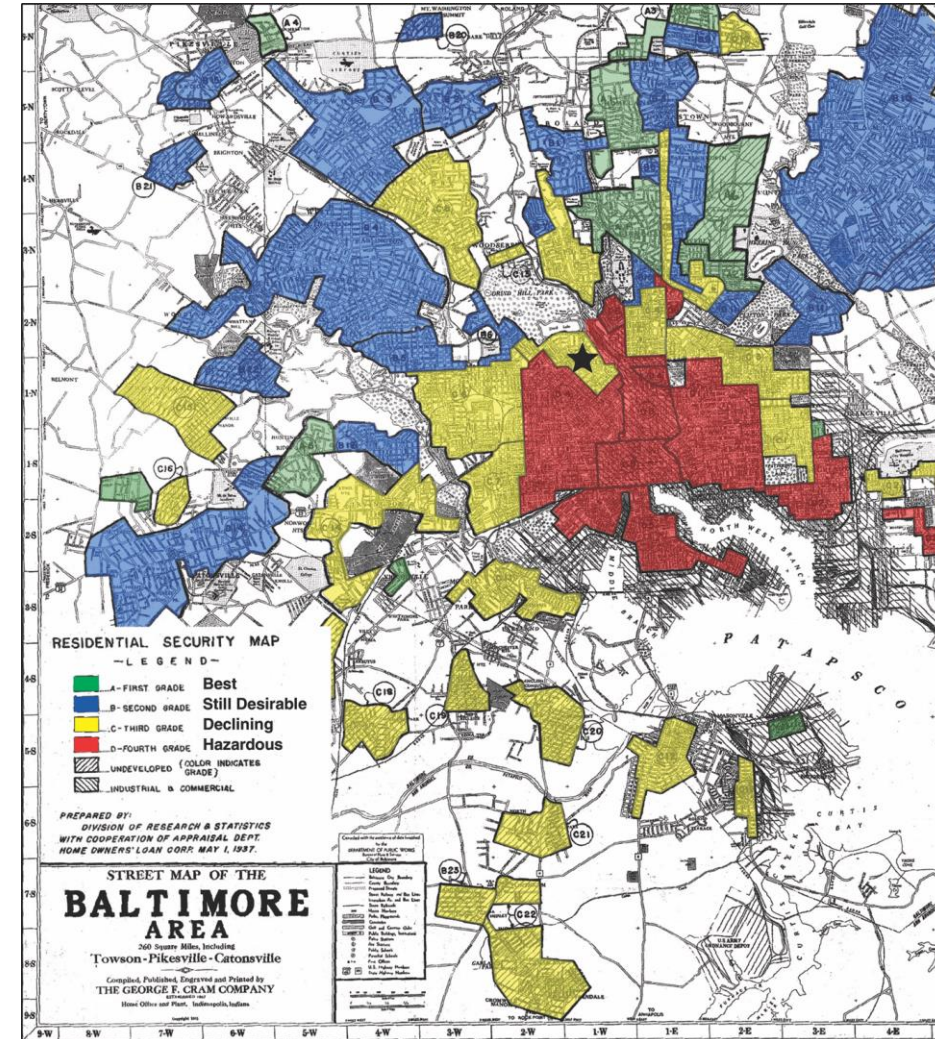
## Environment



## Urban Tree Canopy

# PROBLEMS

## Legacies of Social & Environmental Injustice



Redlining

# WHAT CAN USDA FOREST SERVICE DO?

## PRODUCTION

### FROM WASTE TO WEALTH

Wood is salvaged from building deconstruction and urban tree care operations, and taken out of the city's waste stream.



## FINANCING

### AMOUNT

1. Increased Profits
2. Avoided Costs
3. Unaccounted for Revenue

### TYPE

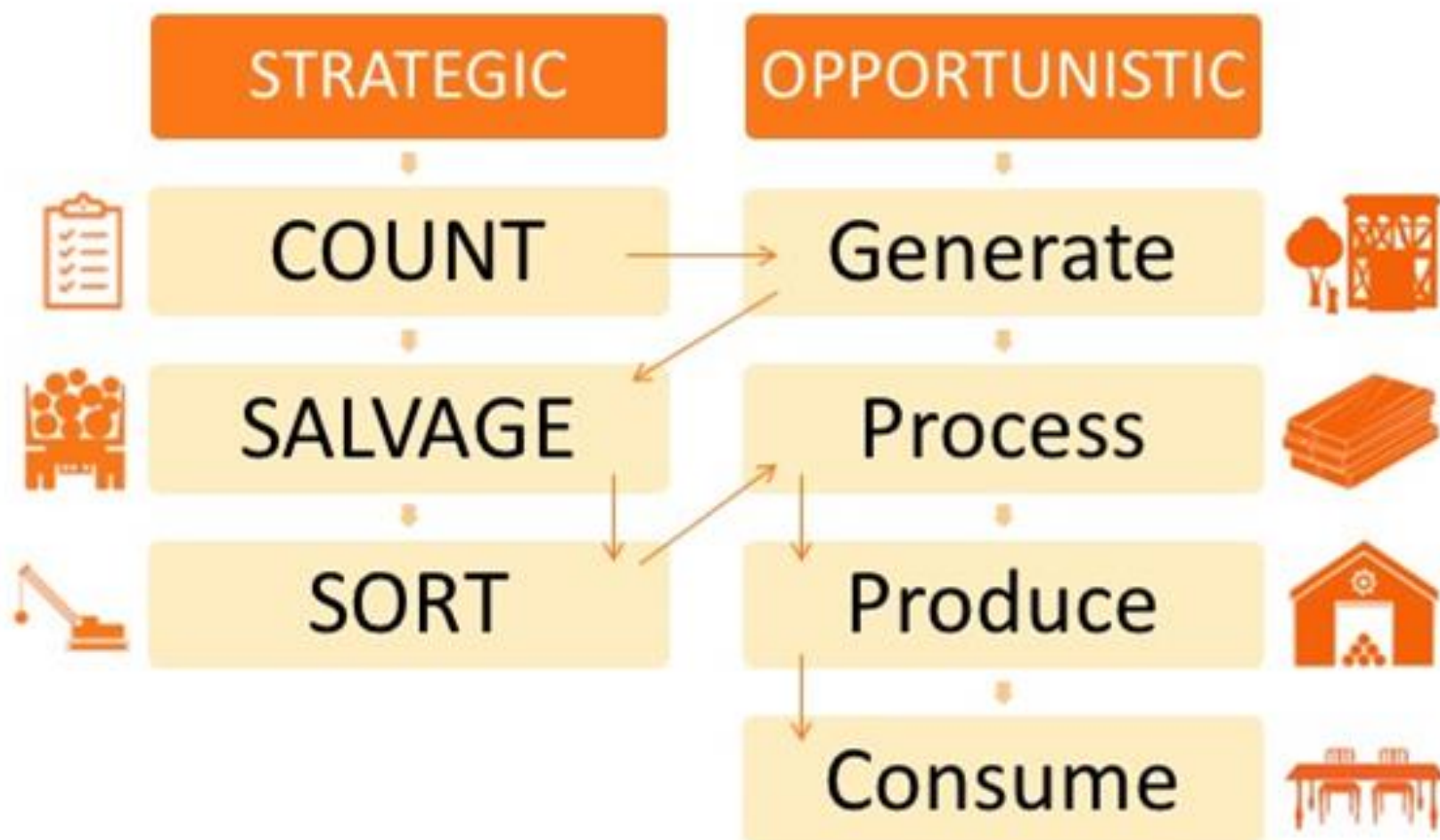
1. Improve efficiency
2. New fund sources
3. Reduce risk and improve stability



# PRODUCTION



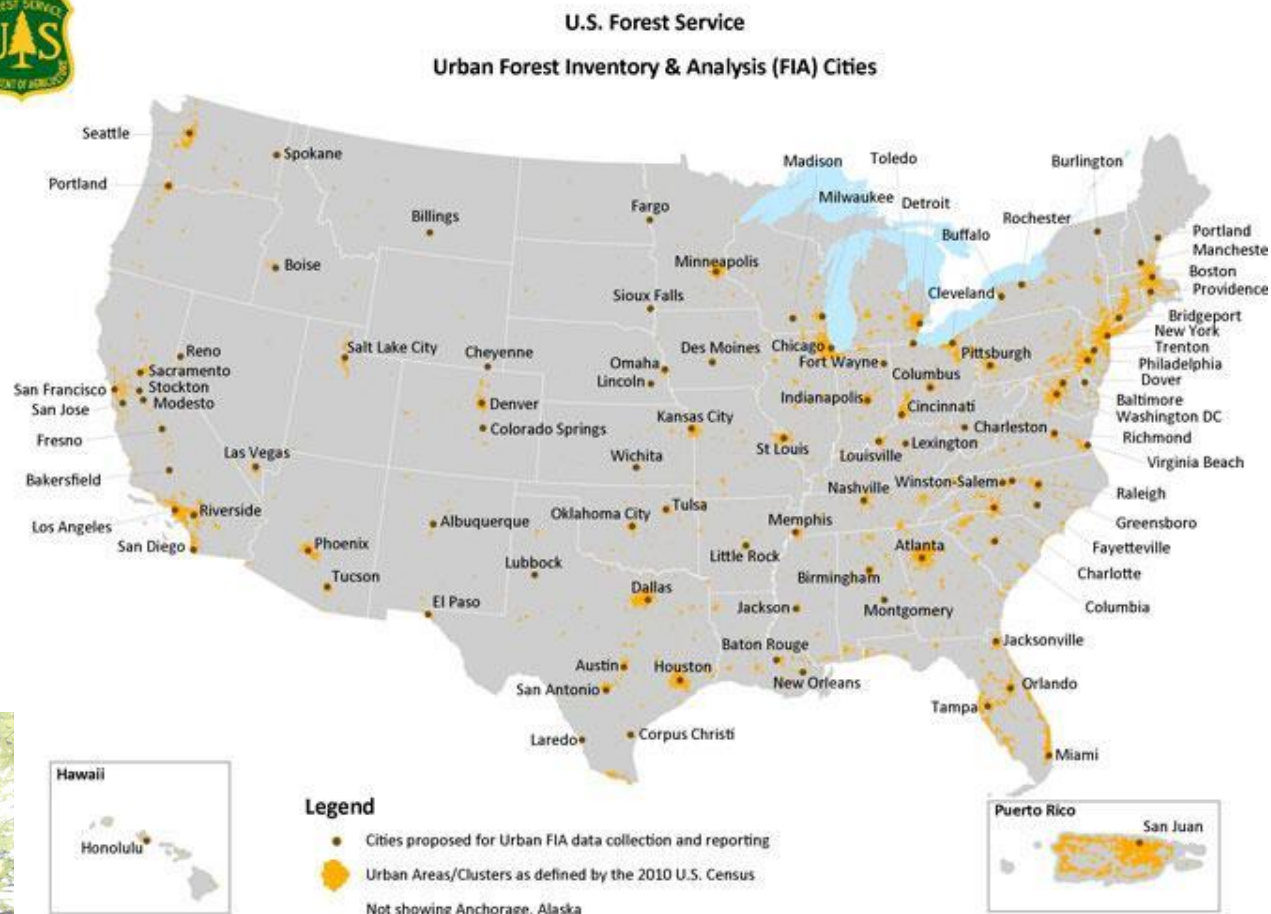
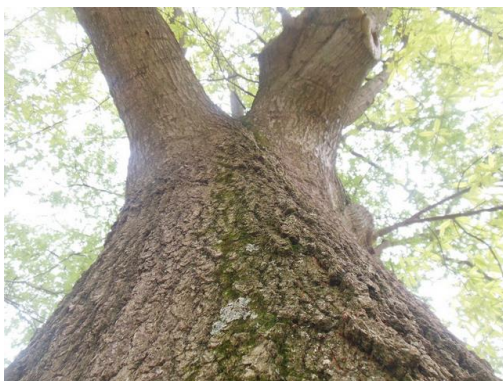
## Baltimore Urban Wood: Fresh Cut and Deconstruct



Motto: "Leave No Stick Behind"



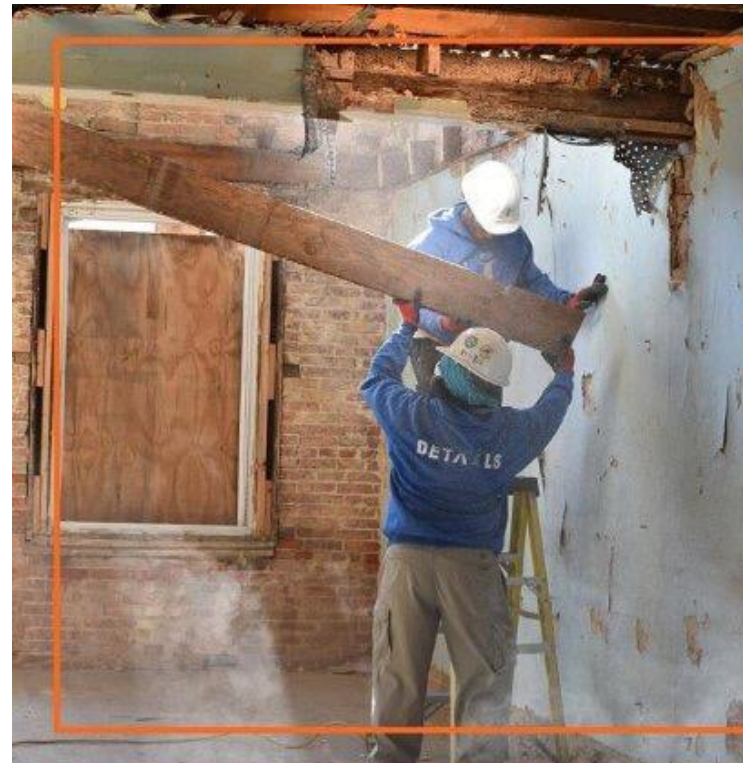
Count







Generate



**Details**  
DECONSTRUCTION  
EST. **2012**

Does what demolition can't: creates jobs and reduces environmental waste. Labor intensive and green, Details follows a triple bottom line business model that considers more than just financial success.

6-8x MORE JOBS CREATED THROUGH DECONSTRUCTION VS DEMOLITION

**0%**  
recidivism for staff members

**10**  
staff members enrolled in Humanim's Match Savings Program

TRAINED & EMPLOYED

**165+**

low income residents from Baltimore City who face barriers to employment

**\$4.1M**  
BUDGET FROM REVENUE

A HUMANIM SOCIAL ENTERPRISE  
#SOCIALENTERPRISE #SIFWEEK #SOCENT **HUMANIM**





Salvage



The Camp Small Zero Waste Initiative

**Shaun Preston**

*Camp Small Yard Master*

Forestry Division, TreeBaltimore

Baltimore, MD 21217

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**Email:** [shaun.preston@baltimorecity.gov](mailto:shaun.preston@baltimorecity.gov)

**Our Partners**

Local

State

Federal

Non-profit





Sort







Process

















Produce

# Brick + Board

	 <b>EST. 2015</b> Gives new life to reclaimed building materials while creating skilled, living-wage, green-collar jobs in the salvage industry.
	<b>250+</b> residential and commercial projects have sourced materials using Brick + Board







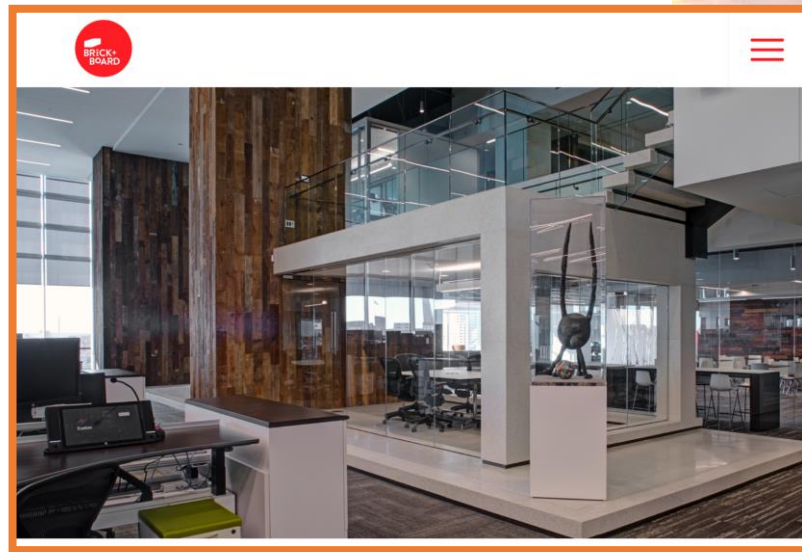
**ARCHITECTURAL  
SALVAGE**  
VIEW IN SHOP

**RECLAIMED  
WOOD**  
VIEW IN SHOP

**RECLAIMED  
BRICK**  
VIEW IN SHOP



Consume





# Transformational change through Urban Wood Economies

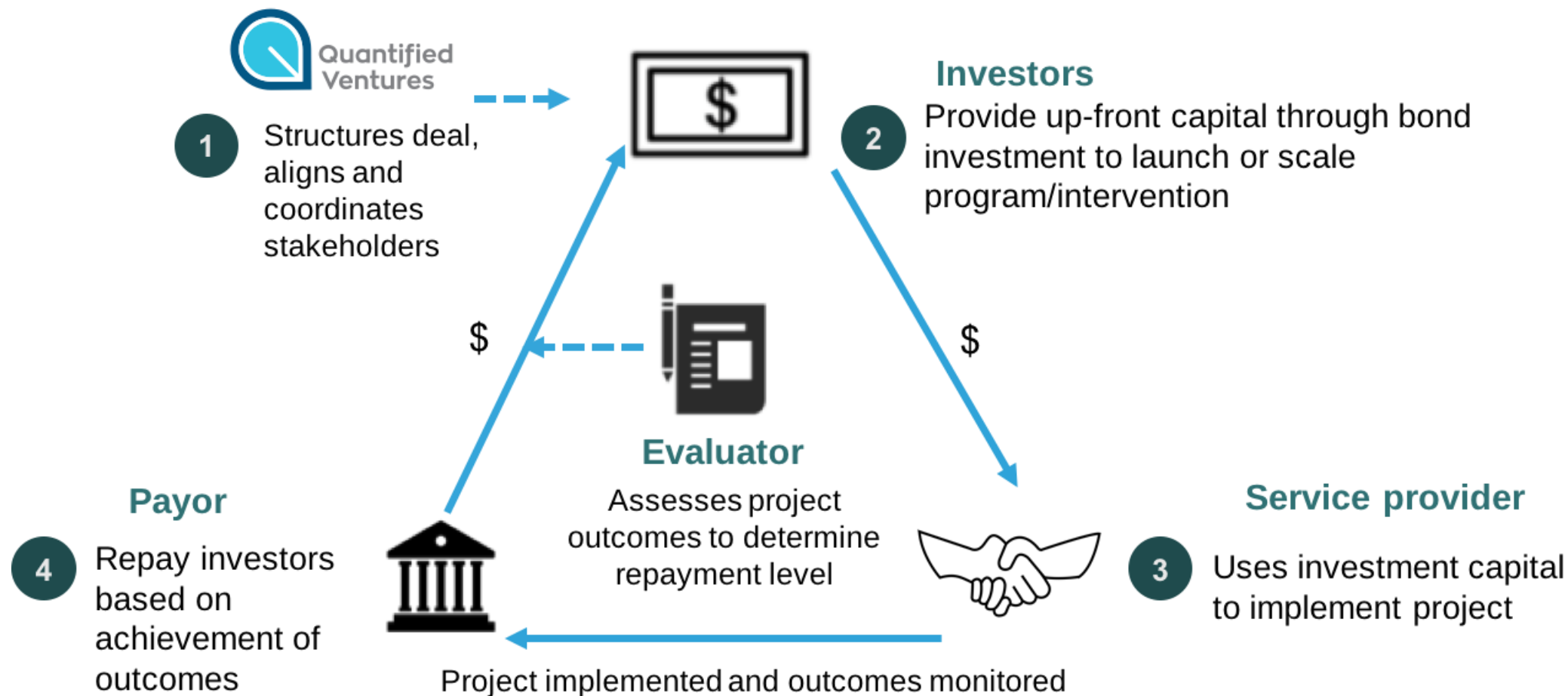
- Lives & livelihoods
- Jobs, businesses, markets
- Environmental outcomes
- Social cohesion & wellbeing



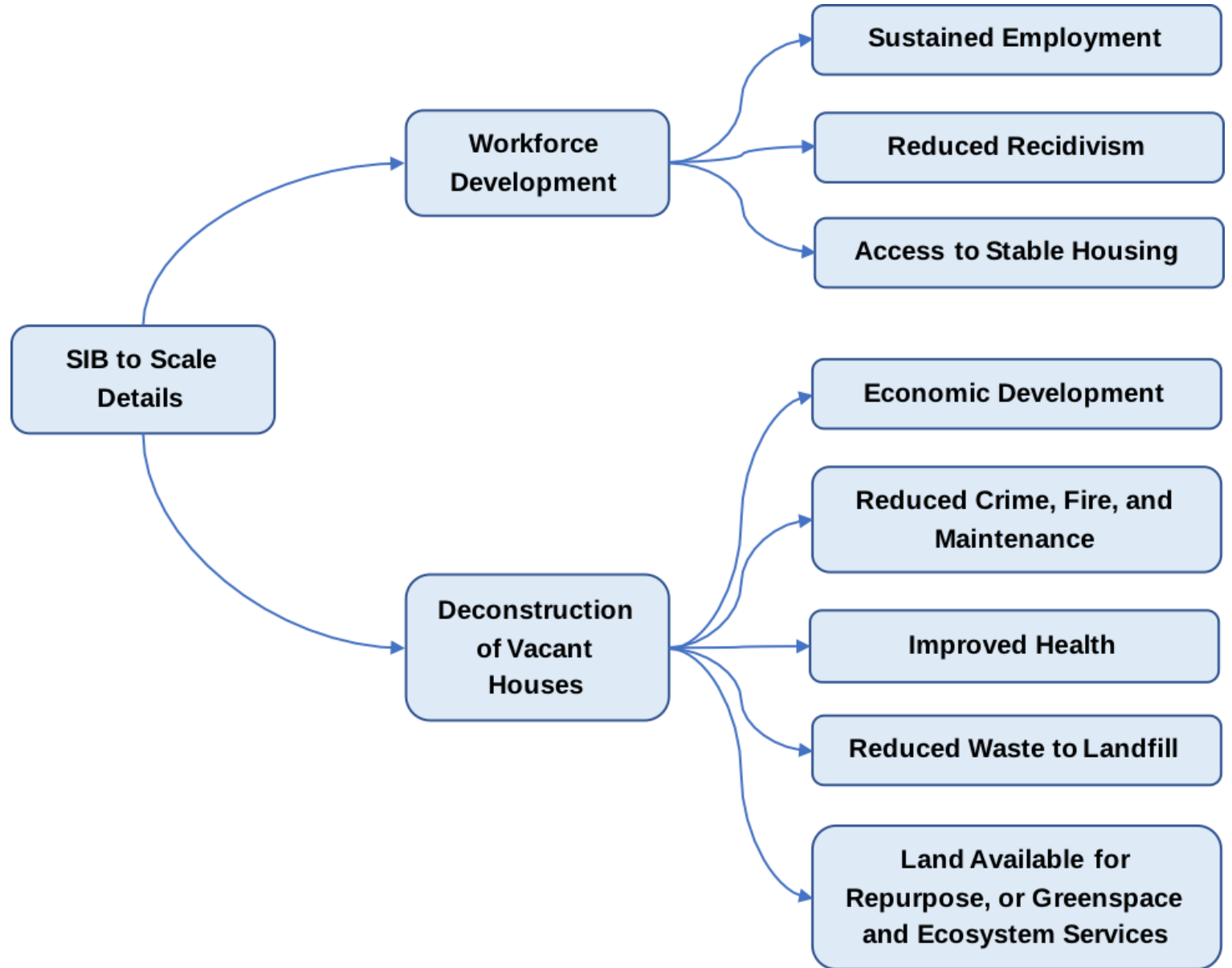


Quantified  
Ventures

Quantified Ventures works with clients to structure Pay for Success (PFS) / Social Impact Bond (SIB) transactions



There are numerous positive outcomes generated with the creation of an urban wood economy which can be scaled and replicated by utilizing the SIB model







## PROCESSING

wood prepared with methods including grinding, splitting, milling, and kiln drying for production



## PRODUCING

recovered and processed wood so that it can be used for mulch, biofuel, firewood, furniture, fencing, home goods, etc.



## USING

wood products by promoting markets, or the sale of wood and wood products



# Room&Board<sup>®</sup>

## H O M E F U R N I S H I N G S

